

CLAIMS

WE CLAIM:

1. A METHOD OF PATHOGEN REMOVAL FROM JUICES COMPRISING THE STEPS OF:
  - A. CREATING ACTIVATED OXYGEN GAS BY PASSING AMBIENT AIR OVER AN ULTRAVIOLET LAMP (185 NANOMETER FREQUENCY).
  - B. INJECTING THE ACTIVATED OXYGEN GAS INTO THE JUICE CONTAINER USING POROUS SPARGING TUBES (BUBBLE CREATING) TO CREATE 20 TO 60 MICRON ACTIVATED OXYGEN BUBBLES.
  - C. TO BUBBLE THE ACTIVATED OXYGEN GAS FOR A SPECIFIC AMOUNT OF TIME (TIME WILL VARY WITH DIFFERENT JUICES).
  - D. THE EXPOSURE TO ACTIVATED OXYGEN FOR THE SPECIFIC DESIGNED TIME WILL DESTROY PATHOGENS, AND NOT AFFECT ENZYMES.
2. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS APPLE CIDER
3. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS ORANGE
4. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS TANGERINE
5. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS CRANBERRY
6. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS LIME
7. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS GRAPEFRUIT
8. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS CHERRY
9. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS GRAPE
10. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS APRICOT
11. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS STRAWBERRY
12. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS NECTARINE
13. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PEACH
14. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PEACH NECTAR
15. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS RASPBERRY
16. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS LEMON
17. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PEAR
18. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PINEAPPLE
19. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS BLACKBERRY
20. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS BLUEBERRY
21. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PRUNE
22. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS MANGO
23. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PAPAYA
24. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS GUAVA
25. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS BOYSENBERRY
26. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PLUM
27. THE PROCESS FOR CLAIM 1, FOR ANY MIXTURES OF THE ABOVE
28. THE PROCESS FOR CLAIM 1, WILL NOT DESTROY THE ENZYMES AS DOES ALL PASTEURIZATION SYSTEMS.